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(54) Title: PROCESS FOR THE PREPARATION OF (3R,3aS,6aR)-HEXAHYDROFURO [2,3-B] FURAN-3-YL (1S,2R)-3-[[4-AMINOPHENYL] SULFONYL] (ISOBUTYL) AMINO]-1-BENZYL-2-HYDROXYPROPYLCARBAMATE

(57) Abstract: The present invention relates to a process for the preparation of (3R,3aS,6aR)-hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl] sulfonyl] (isobutyl) amino]-1-benzyl-2-hydroxypropylcarbamate as well as intermediates for use in said process. More in particular the invention relates to processes for the preparation of (3R,3aS,6aR)-hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl] sulfonyl] (isobutyl) amino]-1-benzyl-2-hydroxypropylcarbamate which make use of 4-amino-N ((2R,3S)-3-amino-2-hydroxy-4-phenylbutyl)-N-(isobutyl)benzene sulfonamide intermediate, and to processes amenable to industrial scaling up. (3R,3aS,6aR)-hexahydrofuro [2,3-b] furan-3-yl (1S,2R)-3-[[4-aminophenyl] sulfonyl] (isobutyl) amino]-1-benzyl-2-hydroxypropylcarbamate is particularly useful as HIV protease inhibitors.

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